

## Abstract

Transmitted and received radar pulses are correlated in a receiver-side mixer (8) for the measurement of the clearance distance and the speed of objects, using radar pulses. In a control device (7) for specifying range gates, transmitter-side radar pulses that are able to be  
5 supplied to the mixer (8) are continuously changed increasingly and/or decreasingly with respect to their pulse delay. Using a switchover device (10), one may switch over to the Doppler frequency measuring operation or reset to the clearance distance measuring operation.

10 (Figure 1)